

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|---------------------|
| L1 | 2 | "20030125398" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/11 13:50 |
| L2 | 29 | (US-20050139549-\$ or US-20030125398-\$ or US-20040087732-\$ or US-20050167357-\$ or US-20040122117-\$).did. or (US-4196107-\$ or US-6130175-\$ or US-5043072-\$ or US-5192446-\$ or US-6379548-\$ or US-5064866-\$ or US-7078441-\$ or US-7094349-\$ or US-7294265-\$ or US-7105095-\$ or US-6884344-\$ or US-5811012-\$ or US-4362626-\$ or US-4400305-\$ or US-5234884-\$ or US-5895796-\$ or US-5690922-\$).did. or (JP-10134793-\$ or JP-2007260561-\$).did. or (JP-09187646-\$ or WO-0218489-\$ or JP-2001276814-\$ or JP-2003305458-\$ or WO-0174898-\$).did. | US-PGPUB; USPAT; JPO; DERWENT | OR | OFF | 2009/08/11 14:03 |
| L3 | 10 | L2 AND (spher\$ bead) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/11 14:03 |
| L4 | 14 | "972567" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/11 14:11 |
| L5 | 2 | "6432861".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/11 14:11 |
| L6 | 2 | "7094349".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/11 14:16 |
| L7 | 6 | "5789081".pn. "6635683".pn. "6884356".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/11 14:17 |
| L8 | 10 | ("4073733" "4316009" "5132059" "5173189" "5380588" "5455114").PN. OR ("5789081").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/08/11 14:24 |

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|-----|-------|--|--|----|-----|---------------------|
| L9 | 1 | L8 AND (bead spher\$) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/08/11 14:24 |
| L10 | 1 | L8 AND (bead spher\$) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/11 14:24 |
| L11 | 1 | "5047437".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/11 14:26 |
| L12 | 2 | "5047437".pn. "5418284".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/11 14:26 |
| L13 | 10155 | asahi.asnm. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/11 15:10 |
| L14 | 627 | asahi.asnm. AND boron | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/11 15:10 |
| L15 | 240 | asahi.asnm. AND boron AND ion | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/11 15:10 |
| L16 | 1130 | 210/266.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/11 15:11 |
| L17 | 1154 | 210/282.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/11 15:11 |
| L18 | 640 | 210/284.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/11 15:11 |
| L19 | 2458 | L16 L17 L18 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/11 15:11 |
| L20 | 191 | L19 AND ion AND absorb\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/11 15:11 |
| S1 | 1 | "10582339" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/06/15 09:06 |
| S2 | 1 | "9187646" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/06/15 09:23 |
| S3 | 2 | "09187646" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/06/15 09:23 |
| S4 | 2 | mori.in. AND takeuchi.in. AND ushio.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/06/15 09:24 |
| S5 | 27 | senju.asnm. AND ion | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/06/15 09:24 |
| S6 | 1 | "200218489" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/06/15 09:25 |

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| S7 | 4 | "2002018489" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/06/15 09:25 |
| S8 | 3 | "2001276814" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/06/15 09:25 |
| S9 | 2 | "2003305458" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/06/15 09:26 |
| S10 | 2 | ((AKIHIRO) near2 (OMORI)).INV. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/06/15 09:27 |
| S11 | 21 | ((AKIHIRO) near2 (OMORI)).INV. | EPO; JPO; DERWENT | OR | OFF | 2009/06/15 09:27 |
| S12 | 45 | ((TADASHI) near2 (SHIMIZU)).INV. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/06/15 09:27 |
| S13 | 370 | ((TADASHI) near2 (SHIMIZU)).INV. | EPO; JPO; DERWENT | OR | OFF | 2009/06/15 09:27 |
| S14 | 2 | "2007260561" | EPO; JPO; DERWENT | OR | OFF | 2009/06/15 09:29 |
| S15 | 692 | "210/639".CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/06/15 10:02 |
| S16 | 2780 | "428/304.4".CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/06/15 10:02 |
| S17 | 236 | "428/314.2".CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/06/15 10:02 |
| S18 | 944 | "428/315.5".CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/06/15 10:02 |
| S19 | 1831 | "264/41".CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/06/15 10:02 |
| S20 | 2 | (fibril filter fiber) SAME polymer SAME pore SAME absorbing SAME metal | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/06/15 10:20 |
| S21 | 1148 | (fibril filter fiber) AND polymer AND pore AND absorbing SAME metal | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/06/15 10:20 |
| S22 | 7633 | (fibril filter fiber) AND polymer AND pore AND absorbing AND (metal ion) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/06/15 10:20 |
| S23 | 12943 | (fibril filter fiber) AND polymer AND pore AND absorbing AND (metal ion) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/06/15 10:20 |
| S24 | 14075 | (fibril filter fiber) SAME (absorb\$) AND polymer AND pore AND (metal ion) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/06/15 10:22 |
| S25 | 255 | (fibril) SAME (absorb\$) AND polymer AND pore AND (metal ion) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/06/15 10:22 |

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| S26 | 231 | (fibril) SAME (absorb\$) AND polymer AND pore AND (metal ion) AND diameter | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/06/15 10:23 |
| S27 | 132 | (fibril) SAME (absorb\$) AND polymer AND pore AND (metal ion) AND diameter AND polyvinyl\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/06/15 10:23 |
| S28 | 124 | (fibril) SAME (absorb\$) AND polymer AND pore AND (metal ion) AND diameter AND polyvinyl\$ AND water | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/06/15 10:24 |
| S29 | 59 | (fibril) SAME (absorb\$) AND polymer AND pore AND (metal AND ion) AND diameter AND polyvinyl\$ AND water | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/06/15 10:25 |
| S30 | 214 | ion ADJ adsorb\$ AND column AND membrane AND ph | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/06/15 10:28 |
| S31 | 27 | ion ADJ adsorb\$ AND column AND membrane AND ph AND (fibril fiber) SAME adsorb\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/06/15 10:28 |
| S32 | 128 | ion ADJ adsorb\$ AND column AND membrane AND ph AND crystal\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/06/15 10:29 |
| S33 | 65 | ion ADJ adsorb\$ AND column AND membrane AND ph AND crystal\$ AND pump | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/06/15 10:29 |
| S34 | 0 | ion ADJ adsorb\$ AND column AND membrane AND ph AND crystal\$ AND pump AND absorbing ADJ filter | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/06/15 10:31 |
| S35 | 0 | ion ADJ adsorb\$ AND column AND membrane AND ph AND crystal\$ AND pump AND adsorbing ADJ filter | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/06/15 10:31 |
| S36 | 359 | adsorbing ADJ filter | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/06/15 10:31 |
| S37 | 3766 | adsorbing WITH filter | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/06/15 10:31 |
| S38 | 470 | adsorbing WITH filter AND diameter AND ion | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/06/15 10:31 |

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| S39 | 16 | adsorbing WITH fibril AND diameter AND ion | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/06/15 10:31 |
| S40 | 0 | adsorbing WITH porous WITH fibril AND diameter AND ion | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/06/15 10:32 |
| S41 | 0 | adsorbing WITH fibril SAME (pore porous) AND diameter AND ion | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/06/15 10:32 |
| S42 | 2 | adsorbing WITH fibril SAME (pore porous) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/06/15 10:33 |
| S43 | 832 | adsorbing WITH (fibril filter membrane) SAME (pore porous) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/06/15 10:33 |
| S44 | 168 | adsorbing WITH (fibril filter membrane) SAME (pore porous) AND diameter AND ion | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/06/15 10:33 |
| S45 | 69 | adsorbing WITH (fibril filter membrane) SAME (pore porous) AND diameter AND ion AND polyvinyl | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/06/15 10:33 |
| S46 | 55 | adsorbing WITH (fibril filter membrane) SAME (pore porous) AND diameter AND ion AND polyvinyl AND metal | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/06/15 10:35 |
| S47 | 24 | hosoda.in. AND nanaumi.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/06/15 10:37 |
| S48 | 124 | organo.asnm. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/06/15 10:38 |
| S49 | 9 | organo.asnm. AND fluorine | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/06/15 10:38 |
| S50 | 3 | ("2003/0150732").URPN. | USPAT | OR | OFF | 2009/06/15 10:38 |
| S51 | 2220 | shimizu.in. AND fluorine | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/06/15 10:40 |

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| S52 | 1147 | shimizu.in. AND fluorine AND water | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/06/15 10:40 |
| S53 | 348 | shimizu.in. AND fluorine AND water AND crystal@ | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/06/15 10:40 |
| S54 | 387 | shimizu.in. AND fluorine AND water AND ph | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/06/15 10:40 |
| S55 | 326 | shimizu.in. AND fluorine AND water AND ph | US-PGPUB; USPAT | OR | OFF | 2009/06/15 10:41 |
| S56 | 148 | shimizu.in. AND fluorine AND water AND ph AND (fibril filter membrane porous) | US-PGPUB; USPAT | OR | OFF | 2009/06/15 10:41 |
| S57 | 2 | shimizu.in. AND fluorine AND water AND ph AND (fibril) | US-PGPUB; USPAT | OR | OFF | 2009/06/15 10:41 |
| S58 | 83 | organo.asnm. AND treat\$ SAME water | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/06/15 10:42 |
| S59 | 83 | organo.asnm. AND treat\$ SAME water | US-PGPUB; USPAT | OR | OFF | 2009/06/15 10:42 |
| S60 | 39 | organo.asnm. AND treat\$ SAME water AND ph | US-PGPUB; USPAT | OR | OFF | 2009/06/15 10:43 |
| S61 | 25 | (fibril fiber) SAME (cavit\$4 por\$3) SAME membrane SAME ion SAME adsor\$4 | US-PGPUB; USPAT | OR | OFF | 2009/06/15 11:00 |
| S62 | 12 | "1310291" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/06/15 11:14 |
| S63 | 4 | "2006094436" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/06/15 11:15 |
| S64 | 2 | "09187646" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/03 13:12 |

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| S65 | 2585 | takeda.asnm. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/03 13:13 |
| S66 | 197 | takeda.asnm. AND ions | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/03 13:13 |
| S67 | 30 | takeda.asnm. AND ions AND adsorbent | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/03 13:13 |
| S68 | 1 | "200218489" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/05 14:39 |
| S69 | 4 | "2002018489" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/05 14:39 |
| S70 | 3 | "2001276814" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/05 14:40 |
| S71 | 124 | organo.asnm. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/05 14:40 |
| S72 | 4 | "0006217" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/05 15:08 |
| S73 | 2 | "20070106140" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/06 10:07 |
| S74 | 25 | (US-20050139549-\$).did. or (US-4196107-\$ or US- 6130175-\$ or US-5043072- \$ or US-5192446-\$ or US- 6379548-\$ or US-5064866- \$ or US-7078441-\$ or US- 7094349-\$ or US-7294265- \$ or US-7105095-\$ or US- 6884344-\$ or US-5811012- \$ or US-4362626-\$ or US- 4400305-\$ or US-5234884- \$ or US-5895796-\$ or US- 5690922-\$).did. or (JP- 10134793-\$ or JP- 2007260561-\$).did. or (JP- 09187646-\$ or WO- 0218489-\$ or JP- 2001276814-\$ or JP- 2003305458-\$ or WO- 0174898-\$).did. | US-PGPUB; USPAT; JPO; DERWENT | OR | OFF | 2009/08/10 13:23 |
| S75 | 9 | S74 AND (fiber fibril) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/10 13:23 |

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|-----|-----|---|--|----|-----|---------------------|
| S76 | 12 | S74 AND (porous pore cavit \$) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/10 13:26 |
| S77 | 10 | ("20030125398" "20030150732" "20030173282" "20030189005" "20030213695" "20040087732" "20040122117" "5789081" "6635683" "6884356").PN. OR ("7094349").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/08/10 13:29 |
| S78 | 6 | ("20030189005" "20030213695" "20040122117" "6841580" "6951609" "7026364").PN. OR ("7294265").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/08/10 13:35 |
| S79 | 195 | organic SAME porous SAME (bead sphere) AND ion SAME absorb\$ | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/10 13:38 |
| S80 | 46 | organic SAME porous SAME (bead sphere) SAME ion SAME absorb\$ | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/10 13:38 |
| S81 | 1 | "20030125398" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/10 13:39 |
| S82 | 5 | porous SAME (bead sphere) SAME boron SAME remov\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 13:44 |
| S83 | 4 | "2002230996" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 13:47 |
| S84 | 0 | ". " | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 13:47 |
| S85 | 0 | "20020230996" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 13:47 |
| S86 | 2 | "02230996" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 13:48 |
| S87 | 6 | "5789081".pn. "6635683". pn. "6884356".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 13:49 |
| S88 | 0 | organic SAME porous SAME (Bead spher\$) SAME absorbent SAME zinc | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 13:53 |

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| S89 | 0 | polysulfone SAME porous SAME (Bead spher\$5) SAME absorbent SAME zinc | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 13:53 |
| S90 | 2 | polysulfone SAME porous SAME (Bead spher\$5) SAME absorbent | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 13:53 |
| S91 | 35 | organic SAME porous SAME (Bead spher\$5) SAME absorbent | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 13:53 |
| S92 | 5 | "10307937" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 14:04 |
| S93 | 2 | "6841580".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 14:04 |
| S94 | 2 | "20030125398" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 14:04 |
| S95 | 6 | ("20030189005" "20030213695" "20040122117" "6841580" "6951609" "7026364").PN. OR ("7294265").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/08/10 14:06 |
| S96 | 7 | "972567" | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/08/10 14:13 |
| S97 | 14 | "972567" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/10 14:13 |
| S98 | 10 | S74 AND alumin\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 14:31 |
| S99 | 3 | S74 AND aluminum SAME sulfate | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 14:32 |
| S100 | 0 | S74 AND aluminum SAME sulfate SAME activated SAME carbon | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 14:32 |
| S101 | 708 | aluminum SAME sulfate SAME activated SAME carbon | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 14:33 |
| S102 | 0 | aluminum SAME sulfate SAME activated SAME carbon AND absorbent | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 14:33 |
| S103 | 105 | aluminum SAME sulfate SAME activated SAME carbon AND absorbent | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 14:33 |

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| S104 | 102 | aluminum SAME sulfate SAME activated SAME carbon AND absorbent AND Water | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 14:33 |
| S105 | 29 | (US-20050139549-\$ or US- 20030125398-\$ or US- 20040087732-\$ or US- 20050167357-\$ or US- 20040122117-\$).did. or (US-4196107-\$ or US- 6130175-\$ or US-5043072- \$ or US-5192446-\$ or US- 6379548-\$ or US-5064866- \$ or US-7078441-\$ or US- 7094349-\$ or US-7294265- \$ or US-7105095-\$ or US- 6884344-\$ or US-5811012- \$ or US-4362626-\$ or US- 4400305-\$ or US-5234884- \$ or US-5895796-\$ or US- 5690922-\$).did. or (JP- 10134793-\$ or JP- 2007260561-\$).did. or (JP- 09187646-\$ or WO- 0218489-\$ or JP- 2001276814-\$ or JP- 2003305458-\$ or WO- 0174898-\$).did. | US-PGPUB; USPAT; EPO; DERWENT | OR | OFF | 2009/08/10 14:34 |
| S106 | 5 | S105 AND carbon AND sulfate AND alum\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 14:35 |
| S107 | 2 | "5356602".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 14:38 |
| S108 | 26357 | water SAME treatment AND column AND membrane AND ph | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 15:27 |
| S109 | 12406 | water SAME treatment AND column AND membrane AND ph AND precipitation | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 15:27 |
| S110 | 2692 | water SAME treatment AND column AND membrane AND ph AND precipitation AND fluorine | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/08/10 15:28 |
| S111 | 429 | water SAME treatment AND column AND membrane AND ph AND precipitation AND porous SAME (bead sphere) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/10 15:28 |

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| S112 | 196 | water SAME treatment AND column AND membrane AND ph AND precipitation AND porous SAME (bead sphere) AND pump | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/10 15:28 |
| S113 | 151 | water SAME treatment AND column AND membrane AND ph SAME (contro\$4 adjus\$) AND precipitation AND porous SAME (bead sphere) AND pump | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/10 15:29 |
| S114 | 3874 | (shimizu kazuhiko).in. AND fluorine | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/10 15:30 |
| S115 | 2176 | (shimizu kazuhiko).in. AND fluorine AND water | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/10 15:30 |
| S116 | 786 | (shimizu kazuhiko).in. AND fluorine AND water AND ph | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/10 15:30 |
| S117 | 109 | (shimizu kazuhiko).in. AND fluorine AND water AND ph AND adsorption | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/10 15:30 |
| S118 | 12 | (shimizu kazuhiko).in. AND fluorine SAME waste SAME water SAME treatment | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/10 15:32 |
| S119 | 1 | water SAME treatment SAME fluorine AND column AND membrane AND ph SAME (contro\$4 adjus\$) AND precipitation AND porous SAME (bead sphere) AND pump | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/10 15:33 |
| S120 | 18 | water SAME treatment AND fluorine AND column AND membrane AND ph SAME (contro\$4 adjus\$) AND precipitation AND porous SAME (bead sphere) AND pump | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/10 15:33 |
| S121 | 1109 | water SAME treatment AND fluorine AND column AND membrane AND ph SAME (contro\$4 adjus\$) AND precipitation AND pump | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/10 15:34 |

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|------|-----|---|--|----|----|---------------------|
| S122 | 39 | waste SAME water SAME treatment AND fluorine AND column AND membrane AND ph SAME (contro\$4 adjus\$) AND precipitation AND pump | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/10 15:34 |
| S123 | 15 | water SAME treatment SAME fluorine AND column AND membrane AND ph SAME (contro\$4 adjus\$) AND precipitation AND pump | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/10 15:34 |
| S124 | 124 | organo.asnm. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/10 15:36 |
| S125 | 115 | organo.asnm. AND water | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/10 15:37 |
| S126 | 7 | organo.asnm. AND water AND fluorine | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/10 15:37 |
| S127 | 1 | "10582339" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/10 16:00 |
| S128 | 1 | "10582339" AND desorption | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/10 16:00 |
| S129 | 1 | "10582339" AND stirring | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/08/11 12:42 |

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